USB2.0 CAMERA MICROPHONE
User's Guide

Information Before Using

PnP (Plug & Play) is only available in Windows 2000 and XP versions. Other operation systems (for example Novell and NT) do not support this function.
To Avoid damage of the image sensor please do not point directly into the sun light Please keep the camera away from heat to avoid electronic shocks.
Please keep the camera away from rain or moisture, wipe the camera lens with moistened soft cloth or neutral solvent.
Please do not disassemble the camera as this will invalidate the warranty. Misuse or abuse may cause electric shock and again will invalidate the warranty .

System Requirement

- Intel® Pentium 4 1.4G Hz,AMD Athlon® prcoessor (2.4G Hz processor recommended)
- 128MB RAM (or minimum OS requirement whichever is higher)
- 50MB available hard drive space
- 16-bit colour display adaptor (thousands of colours)
- Windows® compatible sound card (full dupiex sound card recommended)
- Microsoft® Windows® 2000/XP
- CD-ROM Drive

Operating Environment

Temperature: 5°C - 40°C (41°F - 104°F)
Relative humidity: 10% R.H. 80% R.H
Illumination: 200 lux or more

Package
Camera unit with USB cable
CD-Rom containing drivers
User's Guide

contact your dealer if anything listed above is missing

Technical Specifications

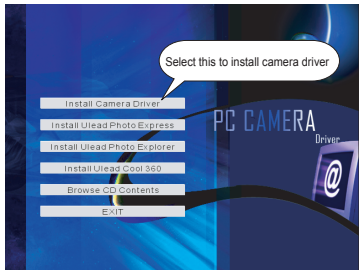
Sensor Type	300K CMOS sensor
Resolution	640* 480 pixels(Up to 1280 *1024 pixels)
Interface	USB 2.0
Frame Rate	30fps (CIF Mode); 30fps (VGA Mode)
Focus	3cm to infinity
OS Platform	Windows 2000 / XP
Microphone Sensitivity	-40db
Zoom	4X

※Audio function does not support on windows 2000

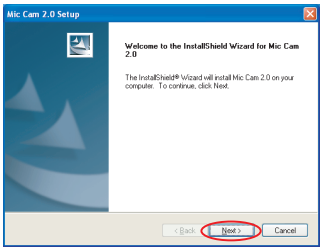
Driver & Camera Installation

1. Place the CD diskette into your CD-ROM drive (Please do not connect the camera at this stage).
2. The CD-driver will auto-run and then the installation menu will come up on your screen (if it does not, please run the program "Install.exe" from the CD-ROM drive) The menu will show the installation buttons for the camera driver .
3. Click the button "Install camera driver" to start installation.(Please refer to Application software Installation)
4. After finishing the installation, please reboot your computer to restart windows.
5. Plug the camera into an available USB port on your PC or USB hub. Your computer will detect the new device "PC camera" and will appear in the windows task bar . (You may need to restart your computer again once this is completed.)
6. This camera is applicable with microphone function, either via USB cable or via additional audio cable, if it is audio cable, please plug it into the MIC-IN of your sound card.
7. In some cases, while detecting new devices, Windows may ask for your original Windows-CD driver. Please follow the instructions to insert your Windows-CD and run the program
8. Once you have plugged in your camera, please open AMCAP which can be found by going into START and then selecting programs.

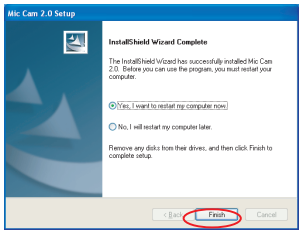
Application installation



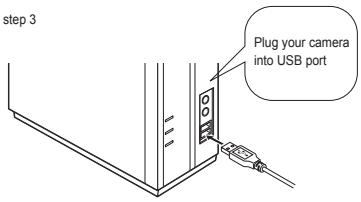
step 1


Mic Cam 2.0 Setup
Welcome to the InstallShield Wizard for Mic Cam 2.0
The InstallShield® Wizard will install Mic Cam 2.0 on your computer. To continue, click Next.
< Back
Next >
Cancel

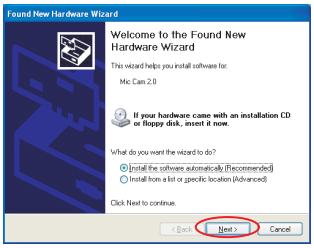
step 2


Mic Cam 2.0 Setup
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed Mic Cam 2.0. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

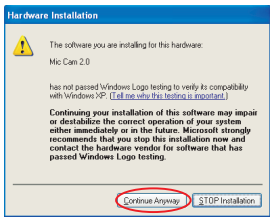
step 3



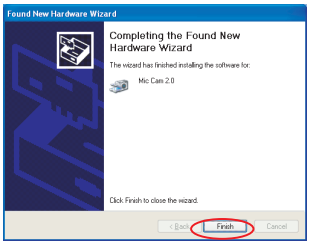
step 4


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Mic Cam 2.0
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

step 5

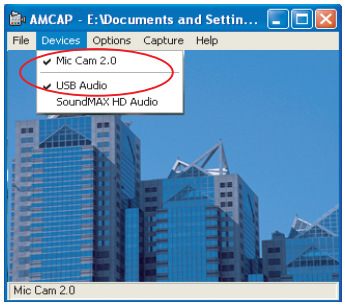

Hardware Installation
The software you are installing for this hardware:
Mic Cam 2.0
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

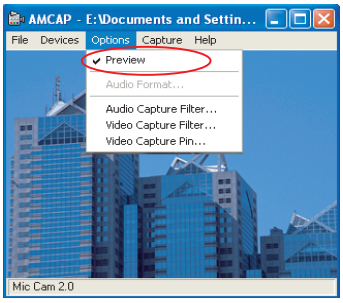
step 6



Check Your Device

Please choice your device "Mic Cam 2.0" & "USB Audio",and Preview must be selected.





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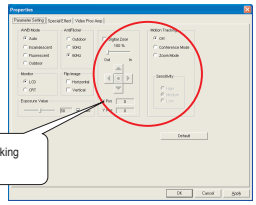
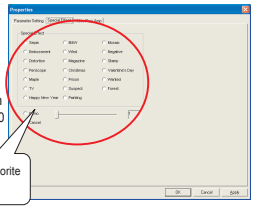
Camera Function

■Please run Amcap and find options->video capture filter.

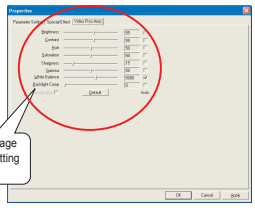


Digital zoom & Tracking function



Special effect function just based on 640*480 pixels

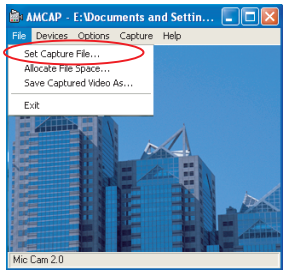
You can choice your favorite effect function.



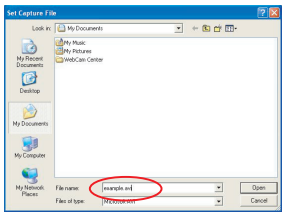
You can adjust your image quality by parameter setting page.

Record Image By AMCAP

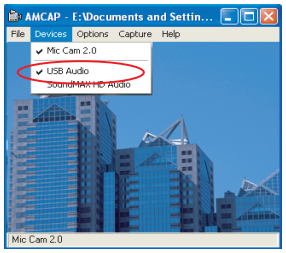
■Before recording, click "file"->"Set capture file"->select a path,i.e. desktop.

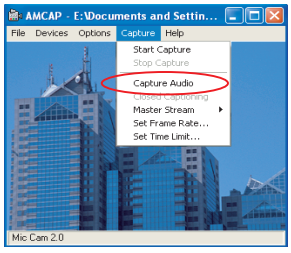


■Then create the name for the capture file with AVI extension, i.e. example.avi.

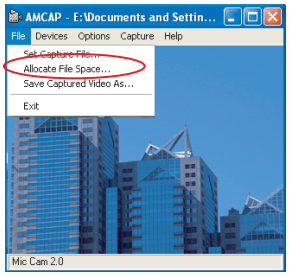


■To select your audio device "USB camera "and enable capture audio recording function.

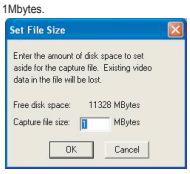




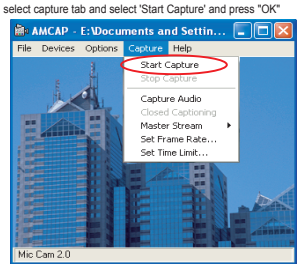
■To click "file->"Allocate file space "

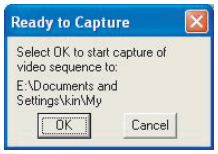


•It is suggest to set the file size to 1Mbytes.

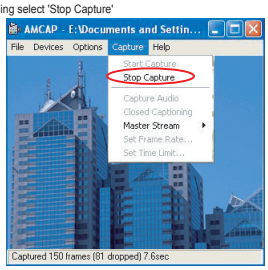

Set File Size
Enter the amount of disk space to set aside for the capture file. Existing video data in the file will be lost.
Free disk space: 11328 MBytes
Capture file size: 1 MBytes
OK
Cancel

■ To record select capture tab and select 'Start Capture' and press "OK"

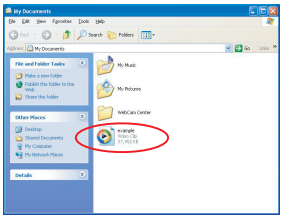




■ To stop recording select 'Stop Capture'



■ To play recording , double click on the set capture file this will initialize Windows Media Player, or go into Windows Media Player separately.



The set capture file will be rewritten each time when you carry out the recording.
If you want to keep the recording file, copy the file and paste to another location for storage.

Trouble Shooting

Problem	Solution
The camera shows no imageafter being connected toUSB port on the PC	1.Make sure the USB connectors are connected properly at both ends. 2.Exit the program, re-connect the device and start the program again. 3.Make sure that you have installed the driver properly.
The image taken and shownon the PC screen is blurred	1.The camera might be dropped or moved accidentally. Try to adjust the focus again. 2.Check if there is anything sticking on the camera lens, if so,clean it with soft wiper.
The pictures have black stripes	1.When use the camera indoor, make sure the electric frequency of lighting system does match the camera's specification (50Hz or 60Hz).
How to operate the shutterbutton	1. The button supports TWAIN interface only, for example, only Windows format 2. Select "file" select "scanner" and select your camera model "Mic Cam 2.0",then click OK 3. Select "File", select "New Scan" and now the dialog box shows an image from yourcamera. 4. The button on the camera is equal to the capture button of the dialog box.
The images turn slow whenviewing in VGA mode(640x480pixels)	This is because the volume of transmission data is getting bigger under VGA mode.To improve the performance, suggest to upgrade the computer hardware or choosethe option 'I420' in camera setting.
There are strips or blackshadow on the images	Please re-set the display level as 24 bits or 32 bits true color.
Why no image turns up while running the programs	Please click the"Preview" under the "Options" section.

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